

NEW OR NOTEWORTHY NEW HAMPSHIRE PLANTS

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In the course of field studies during 1971 and 1972 several plants previously unreported in New Hampshire were found. They are listed here along with some new stations for a few other noteworthy plants of the New Hampshire Flora. Collections were made of all and a specimen of each has been deposited in the Keene State College Herbarium. Duplicates have been sent to the University of Massachusetts Herbarium in Amherst, Massachusetts and except for *Spiranthes lucida*, *Dentaria laciniata* and *Dicentra canadensis* to the University of New Hampshire Herbarium. All collections were made by me and the collection numbers are my own.

Salix amygdaloides Anderss. Outlet of Meetinghouse Pond, Marlborough, Cheshire County, 5 May 1971 (flowering), and 1 July 1971 (mature foliage), *Boufford* 1938; tree about 8 m. tall. Seymour cites a specimen collected in Lenox, Massachusetts and deposited in the Pringle Herbarium of the University of Vermont as the only verified collection from New England. He also says it is reported from Vermont. Gray's Manual, 8th ed., gives the range as being from Vermont westward.

Clematis dioscoreifolia Levl. & Vaniot. Steep roadside bank, Rte. 12 in Walpole, Cheshire County, 24 July 1972, *Boufford* 7268. Several well-established plants in rather dry soil. Seymour calls this plant rare. Including var. *robusta* he mentions just six New England towns where it has been collected, only one being in Vermont and none in New Hampshire or Maine. Fernald (1950) says, "occasionally spread from cult., Mass. to Va."

Cassia nictans L. Railroad ballast, approximately 0.5 mile south of Swanzey line in Winchester, Cheshire County, 25 August 1971, *Boufford* 4441. Seymour lists no collections from New Hampshire or Maine, but there are some from

Vernon, Vermont. This appears to be the northeastern edge of the plant's range.

Baptisia australis (L.) R. Br. Old field just south of the intersection of Rtes. 119 and 10 in Winchester, Cheshire County, 20 June 1972, *Boufford* 6041. Several clumps of the plant were well-scattered throughout the field. A house several hundred yards away has many plants around it and is the obvious source of this escape.

Thermopsis villosa (Walt.) Fernald & Schubert. Roadside and railroad bed, Rte. 12 in Walpole, Cheshire County, 19 June 1971, *Boufford* 2786. The majority of the plants are on a steep, dry roadside bank, but some are scattered up to a quarter mile away, indicating that the plant is spreading. This plant is growing with the previously mentioned *Clematis dioscoreifolia*.

Digitalis lutea L. Roadside Rte. 10 just north of Beaver Brook Falls and junction with Rte. 9, Keene, Cheshire County, 14 July 1971, *Boufford* 3529. Over a hundred plants make up the colony. There is a specimen in the herbarium of the New England Botanical Club of *D. lutea* made from a garden planting and with the notation on the label stating, "Brought from Keene where growing wild." Wakefield, July 2, 1944, Coll. R. C. Bean. Whether or not this is the same colony is not known. A proposed dam in the immediate area will no doubt destroy the colony if construction begins.

Hieracium vulgatum Fries. Roadside along Spaulding Brook, Sullivan, Cheshire County, 31 July 1972, *Boufford* 7433. Several plants. This plant has been collected in all the surrounding states, but not in New Hampshire.

Hieracium umbellatum L. Beech Hill, Keene, Cheshire County, 23 September 1971, *Boufford* 4988. Large colony of several hundred plants mostly in thin, sandy woods, but extending into deeper woods. There is a collection in the herbarium of the New England Botanical Club and another in the Gray Herbarium; both are from Massachusetts and appeared as transient waifs. The station in Keene is apparently the first in New England where the plants are thoroughly

established. Gray's Manual states that the plant is western and Eurasian and comes east only to Michigan.

The following four species, collected on the shore of the Connecticut River below the Bellows Falls dam in Walpole, Cheshire County, have been collected elsewhere in New Hampshire but are unusual enough in that state to deserve mention.

Tofieldia glutinosa (Michx.) Pers. 13 August 1971, *Boufford* 4164. Previously reported only from Plainfield in New Hampshire.

Spiranthes lucida (H. H. Eaton) Ames. 7 July 1971, *Boufford* 3313. Also known in New Hampshire only from Plainfield. Quite abundant.

Cardamine pratensis L. 29 May 1971, *Boufford* 2122. Reported previously in New Hampshire only from Croydon.

Lobelia Kalmii L. 13 August 1972, *Boufford* 4153. Several scattered plants.

This area below the Bellows Falls Dam is rather unusual. The shore consists mostly of ledge and loose boulders. It is completely inundated by torrents of water in the spring; during the summer several seepage streams flow from the upper banks to the main channel of the river.

Overlooking the Connecticut River station on the dry south-facing slope of Fall Mountain in Walpole, Cheshire County, were found two more interesting plants: *Asclepias quadrifolia* Jacq., 5 June 1972, *Boufford* 5686, and *Solidago odora* Ait., 10 August 1972, *Boufford* 7603. The only New Hampshire station known previously for the *Asclepias*, according to Seymour, was in Charlestown. However, there is a specimen of this plant in the University of New Hampshire Herbarium, collected in 1890 by William S. Harris in Windham, Rockingham County. According to Gray's Manual, this station would be at about the northeastern limit of the range.

Further south still, in the Connecticut River Valley and just across the Walpole line in Westmoreland, Cheshire County, was found a large colony of *Dentaria laciniata*

Muhl., 10 June 1971, *Boufford* 2527, previously reported from Rumney and Plainfield in New Hampshire.

A station for *Dicentra canadensis* (Goldie) Walp. was found on a north-facing slope in Alstead, Cheshire County, near the Surry line, 11 May 1972, *Boufford* 5105. It had been reported by Seymour to occur from Hanover northward in New Hampshire. Dr. Albion Hodgdon of the University of New Hampshire says that it is also growing in Plainfield, Sullivan County.

At Sumner's Falls in Plainfield, Sullivan County, was found *Rhynchospora capillacea* Torr., 22 August 1971, *Boufford* 4364. The only previous report for New Hampshire was in Freedom.

Mirabilis nyctaginea (Michx.) MacM. was found in a weedy area behind a gas station on Main Street in Concord, Merrimack County, 25 August 1972, *Boufford* 8067. Although Seymour does not show a record of this in New Hampshire, there is one specimen in the herbarium of the University of New Hampshire from Rochester.

I wish to thank Mr. Harry E. Ahles of the University of Massachusetts for the identification of *Salix amygdaloides* and *Hieracium umbellatum*. However, responsibility for the accuracy of all identifications is solely my own.

LITERATURE CITED

- FERNALD, M. L. 1950. *Gray's Manual of Botany*, eighth edition. American Book Company, New York, 1632 p.
- SEYMOUR, FRANK C. 1969. *The Flora of New England*. The Charles Tuttle Company, Rutland, Vermont. 596 p.

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